

Name: _____ Period: _____

Debate Leader

You will be the Debate Leader for your team. Your job is to organize your team, make sure that all members in your team have a role, and help them stay on task. Make sure that you have 2 scientists, 2 farmers, 2 doctors, 2 criminal justice experts, 2 citizens, and 1 cross examiner. You will determine the order in which your team members will present. You are also responsible for making the opening remarks and closing argument for your team. It is your job to determine the strongest pros and cons of genetic engineering so you can defend why your stance is better for society as a whole.

1.) What are the three strongest **pros** of genetic engineering?

- _____
- _____
- _____

2.) What are the three major **cons** of genetic engineering?

- _____
- _____
- _____

3.) How is genetic engineering better/worse for the economy, the environment, and society?

4.) How will you introduce your teams' stance and key points while grabbing the judges' attention?

5.) Conclude the argument for your stance. Why should/not America invest its time and energy into genetic engineering? Why is this the better choice?

Websites Used:

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Scientist

You will be a Scientist for your team. Your job is to research background information about genetic engineering and real life examples.

1.) Explain genetic engineering. What is it?

2.) Explain selective breeding. Give an example of how it is used.

3.) Explain biotechnology. Given an example of how it is used.

4.) Explain recombinant DNA. Give an example of how it is used.

5.) Explain cloning. Give an example of how it is used.

Websites Used:

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Farmer

You will be a Farmer for your team. Your job is to research the positive and negative impacts genetic engineering has on agriculture.

1.) How does genetic engineering impact agriculture?

2.) How can genetic engineering be applied to benefit agriculture?

3.) What are the harmful effects genetic engineering could have on agriculture?

4.) How does genetic engineering impact costs associated with agriculture?

5.) What benefits and hazards does genetic engineering pose to the surrounding environment?

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Doctor

You will be a Doctor for your team. Your job is to research the positive and negative impacts genetic engineering has on the field of medicine.

1.) How does genetic engineering impact the field of medicine?

2.) How can genetic engineering be applied to benefit medical research?

3.) How can genetic engineering be applied to prevent and treat diseases?

4.) How does genetic engineering impact costs associated with medicine?

5.) What are the harmful effects genetic engineering could have in the field of medicine?

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Criminal Justice Expert

You will be a Criminal Justice Expert for your team. Your job is to research the positive and negative impacts genetic engineering has on forensics.

1.) How does genetic engineering impact forensics?

2.) How can genetic engineering be applied to solve crimes and convict criminals?

3.) What do police, lawyers, judges, and juries need to consider when evaluating this type of evidence?

4.) What potential problems exist when gathering, analyzing, and evaluating evidence obtained through DNA fingerprinting versus other types of evidence?

5.) What are other applications of DNA fingerprinting?

Websites Used:

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Citizen

You will a Citizen for your team. Your job is to investigate the ethical issues associated with genetic engineering and determine how genetic engineering affects the society at large and your community.

1.) How does genetic engineering affect you on a personal level? How will it help or hurt you in your daily life?

2.) What costs will genetic engineering bring to and/or reduce in your community?

3.) What environmental hazards could genetic engineering pose to your community?

4.) What opportunities could genetic engineering provide for your community?

5.) Will genetic engineering provide any other benefits or risks to your community? How?

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Cross Examiner

You will be the Cross Examiner for your team. Your job is to develop questions to ask the opposing team. You also need to be ready to respond to questions the other team may ask you.

1.) Factual, straightforward questions *(have the answers handy when opponents are stumped)*

- _____
- _____
- _____

2.) Tricky, “leading” types of questions *(ask easy ones first, leading opponents on, then ask question that they must answer in a certain way, but will backtrack out of)*

- _____
- _____
- _____

3.) Attacking questions *(be fast, furious, and make your opponents uncomfortable)*

- _____
- _____
- _____

4.) Think of possible answers that could be given by opponents as well follow up questions you would ask as a result

5.) Come up with potential questions you think the other team might ask and prepare how you would answer them

Websites Used: